WHAT IS CLAIMED IS:

1. An air filter for an internal combustion engine and the air filter comprising:

a filter assembly for filtering particles from air prior to the air entering into the internal combustion engine; and

a base frame assembly connecting to the filter assembly and comprising

a base ring connecting to the filter assembly and having a top and a ring configuration with an outer annular edge and a central through hole;

a connecting bracket mounted and held in the central through hole in the base ring and having a clean air outlet; and

an inner frame mounted on the base ring to spin the air and having multiple vanes mounted on and extending upward from the top of the base ring and arranged to cause the air to spin, and each of the vanes having a top, a bottom and a bottom recess defined in the bottom;

whereby when the air passes over the inner frame, the vanes spin the air with spinning currents moving through the bottom recesses and down into the clean air outlet of the connecting bracket.

2. The air filter as claimed in claim 1, wherein

the inner frame further comprises a connecting ring mount mounted on the top of the base ring and a central joining block to connect the vanes; and

each of the vanes further has an outside leg and an inside leg formed beside the bottom recess, the outside legs of the vanes connect integrally to the connecting ring mount, and the inside legs of the vanes are attached to the central joining block together over the clean air outlet of the connecting bracket.

3. The air filter as claimed in claim 1, wherein the filter assembly comprises:

a filter element being tapered and having an inner space, a top, a bottom, a top opening defined in the top communicating with the inner space and a bottom opening defined in the bottom communicating with the inner space and co-axially aligned with the top opening, and the bottom of the filter element mounted on the top of the base ring; and

a top end cap attached to the top of filter element to cover the top opening;

wherein the inner frame is mounted and held in the inner space of the filter element.

4. The air filter as claimed in claim 2, wherein the filter assembly comprises:

a filter element being tapered and having an inner space, a top, a bottom, a top opening defined in the top and communicating with the inner space and a bottom opening defined in the bottom, communicating with the inner space and co-axially aligned with the top opening, and the bottom of the filter element mounted on the top of the base ring; and

a top end cap attached to the top of the filter element to cover the top opening;

wherein the inner frame is mounted and held in the inner space of the filter element.

5. The air filter as claimed in claim 1, wherein the filter assembly comprises:

a primary filter element being tapered and having an inner space, a top, a bottom, a top opening defined in the top and communicating with the inner space and a bottom opening defined in the bottom, communicating with the inner space and co-axially aligned with the top opening, and the bottom of the filter element mounted on the top of the base ring;

a top connecting ring mounted on the top of the primary filter element and having an outer annular lip extending downward and holding the top of the primary filter element, a through hole and a bottom;

a secondary filter element attached to the bottom around the through hole of the top connecting ring, being tapered and having a bottom and a bottom opening defined in the bottom; and

an inside bottom end cover attached to the bottom of the secondary filter element to cover the bottom opening of the secondary filter element to enclosure the inner space;

wherein the inner frame is mounted and held in the inner space of the primary filter element.

6. The air filter as claimed in claim 2, wherein the filter assembly comprises:

a primary filter element being tapered and having an inner space, a top, a bottom, a top opening defined in the top and communicating with the inner space and a bottom opening defined in the bottom, communicating with the inner space and co-axially aligned with the top opening, and the bottom of the filter element mounted on the top of the base ring;

a top connecting ring mounted on the top of the primary filter element and having an outer annular lip extending downward and holding the top of the primary filter element, a through hole and a bottom;

a secondary filter element attached to the bottom around the through hole in the top connecting ring, being tapered and having a bottom and a bottom opening defined in the bottom; and

an inside bottom end cover attached to the bottom of the secondary filter element to cover the bottom opening of the secondary filter element to enclosure the inner space;

wherein the inner frame is mounted and held in the inner space of the primary filter element.

7. The air filter as claimed in claim 6, wherein the central joining block is a conical block.